WHAT IS CLAIMED IS:

1. A carbon material for an electric double layer capacitor, comprising:

crystallites of graphite-like carbon produced by activating a carbon material, said crystallites having 5 interlayer distances of 0.365 to 0.385 nm.

2. A method of producing a carbon material for an electric double layer capacitor, comprising the steps of:

heat treating a raw material to carbonize it and 5 to grow crystallites of graphite-like carbon; and

activating the grown carbon material with an alkali, whereby producing a carbon material consisting of crystallites of carbon having interlayer distances of 0.365 to 0.385 nm.

- 3. A method of producing a carbon material for an electric double layer capacitor, comprising the step of: activating a carbon material with steam to produce a carbon material comprising crystallites of 5 graphite-like carbon having interlayer distances of 0.365 to 0.385 nm.
 - 4. An electric double layer capacitor having polarized plates immersed in an organic electrolyte, said electric double layer capacitor comprising:

said polarized plates being made of a carbon 5 material comprising crystallites of graphite-like carbon produced by activating a carbon material, said crystallites having interlayer distances of 0.365 to 0.385 nm.

5. The electric double layer capacitor of claim 4, wherein said organic electrolyte has a solute consisting of tetrafluoroborate.

- 6. The electric double layer capacitor of claim 4, wherein said organic electrolyte has a solute consisting of tetraethylammonium tetrafluoroborate.
- 7. A method of fabricating an electric double layer capacitor having polarized plates immersed in an organic electrolyte, said method comprising the steps of:

activating a carbon material to produce 5 crystallites of graphite-like carbon, said crystallites having interlayer distances of 0.365 to 0.385 nm;

assembling said electric double layer capacitor having a rated voltage, using said crystallites;

then applying a voltage in excess of said rated 10 voltage across said polarized plates so that the capacitor exhibits a capacitance.

8. An electric double layer capacitor comprising:

polarized plates made of a carbonaceous material that expands on application of a voltage; and

- a dimension-limiting structure in which said polarized plates are mounted such that expansion of the plates is limited by said dimension-limiting structure on application of the voltage.
- 9. The electric double layer capacitor of claim 8, wherein said dimension-limiting structure limits expansion of the plates in the direction of application of the voltage when the voltage is applied.
- 10. The electric double layer capacitor of claim 8, wherein an expansion pressure of more than 2 kg/cm^2 is produced on the plates when dimensions are limited against expansion of the polarized plates.

- 11. An electric double layer capacitor comprising:
- an electrolyte consisting of a nonaqueous solvent;
- 5 polarized plates made of a carbon material having interlayer distances d_{002} of 0.365 to 0.385 nm; and
- a dimension-limiting structure in which said electrolyte and said plates are held, said dimension-limiting structure acting to limit expansion on application of a voltage.
- 12. The electric double layer capacitor of any one of claims 8-11, wherein said carbonaceous material is obtained by preheating petroleum coke, mixing the coke into potassium hydroxide to produce a mixture, and heat treating 5 the mixture in an inert ambient.
 - 13. The electric double layer capacitor of any one of claims 8-11, wherein said carbonaceous material is obtained by heat-treating coconut char in an inert ambient or in an ambient-containing steam.
 - 14. The electric double layer capacitor of any one of claims 8-11, wherein said capacitor is charged at a voltage higher than the rated voltage of the capacitor during initial charging.